Exhibit No.: Issue(s): Certificates of Convenience, Feasibility Analysis Witness: Jordan T. Hull Sponsoring Party: MoPSC Staff Type of Exhibit: Rebuttal Testimony Case No.: EA-2022-0245 Date Testimony Prepared: December 21, 2022

# **MISSOURI PUBLIC SERVICE COMMISSION**

## **INDUSTRY ANALYSIS DIVISION**

#### **ENERGY RESOURCES DEPARTMENT**

## **REBUTTAL TESTIMONY**

#### OF

## JORDAN T. HULL

## UNION ELECTRIC COMPANY, d/b/a Ameren Missouri

#### CASE NO. EA-2022-0245

Jefferson City, Missouri December 2022

1		<b>REBUTTAL TESTIMONY</b>			
2		OF			
3		JORDAN T. HULL			
4 5		UNION ELECTRIC COMPANY, d/b/a Ameren Missouri			
6	CASE NO. EA-2022-0245				
7	Q.	Please state your name and business address.			
8	А.	My name is Jordan T. Hull, and my business address is Missouri Public Service			
9	Commission;	200 Madison Street, PO Box 360; Jefferson City, MO 65102-0360			
10	Q.	By whom are you employed and in what capacity?			
11	А.	I am employed by the Missouri Public Service Commission as an Associate			
12	Engineer in the Energy Resources Department in the Industry Analysis Division.				
13	Q.	Please describe your educational and work background.			
14	А.	Please see Schedule JTH-r1.			
15	Q.	Purpose of your testimony?			
16	А.	The purpose of my rebuttal testimony is to discuss the application of			
17	Ameren Miss	ouri and to provide more information to the commission about whether			
18	Boomtown Solar, LLC is qualified to construct and install; and whether Ameren Missouri				
19	is qualified to, own, operate, maintain, and otherwise control and manage the project.				
20	Q.	Who Is Boomtown Solar?			
21	А.	Boomtown Solar LLC was formed by Invenergy Renewables specifically for			
22	this project.				
23	Q.	Who is Invenergy?			

# Rebuttal Testimony of Jordan T. Hull

1	A.	Invenergy is a privately held, global developer and operator of sustainable			
2	energy solutions.				
3	Q.	What do Invenergy's projects generally consist of?			
4	А.	Invenergy develops, owns, and operates large-scale renewable and other clean			
5	energy generation and storage facilities worldwide. The home office is located in Chicago with				
6	regional development offices in North America, Latin America, Asia, and Europe. According				
7	to their website, Invenergy has successfully completed 49 solar projects and 110 wind projects				
8	Q.	How long has Invenergy been in business?			
9	А.	Invenergy has been in business for 20 years.			
10	Q.	Does Ameren Missouri have experience with operating and maintaining a solar			
11	generation?				
12	А.	Yes. Ameren Missouri has other solar generation in its generation resources that			
13	it operates ar	nd maintains.			
14	Q.	Who will provide vegetation control and maintenance for this project?			
15	А.	The project will be maintained in the same manner and fashion as all of Ameren			
16	Missouri's ex	kisting generation is operated, including its existing renewable generation. More			
17	specifically,	the project will be operated and maintained by Ameren Missouri's Energy			
18	Management	t & Trading group, similar to the Company's other large-scale renewable generators			
19	such as the A	Atchison County and High Prairie wind farms, and the O'Fallon and Montgomery			
20	solar facilitie	es. <sup>1</sup>			
21	Q.	Are Boomtown Solar LLC and Ameren Missouri qualified to execute the scope			
22	of this projec	ct?			

<sup>&</sup>lt;sup>1</sup> Data request 0068 from EA-2022-0245

### Rebuttal Testimony of Jordan T. Hull

- A. Yes. Staff concludes Boomtown Solar LLC is qualified to construct and install 1 2 this project, and Ameren Missouri is qualified to own, operate, maintain, and otherwise control 3 and manage the project. Does this conclude your Rebuttal testimony? 4 Q. Yes it does.
- 5 A.

#### BEFORE THE PUBLIC SERVICE COMMISSION

#### OF THE STATE OF MISSOURI

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In the Matter of the Application of Union Electric Company d/b/a Ameren Missouri for Approval of a Subscription-Based Renewable Energy Program

Case No. EA-2022-0245

#### AFFIDAVIT OF JORDAN T. HULL

SS.

STATE OF MISSOURI	)	
	)	
COUNTY OF COLE	)	

**COMES NOW JORDAN T. HULL** and on his oath declares that he is of sound mind and lawful age; that he contributed to the foregoing *Rebuttal Testimony of Jordan T. Hull*; and that the same is true and correct according to his best knowledge and belief.

Further the Affiant sayeth not.

#### JURAT

Subscribed and sworn before me, a duly constituted and authorized Notary Public, in and for the County of Cole, State of Missouri, at my office in Jefferson City, on this 2154 day of December 2022.

D. SUZIE MANKIN Notary Public - Notary Seal State of Missouri Commissioned for Cole County My Commission Expires: April 04, 2025 Commission Number: 12412070

zullankin Notary Public

## Jordan T. Hull

#### **CURRENT POSITION:**

I am currently an Associate Engineer in the Energy Resources Department, Industry Analysis Division, of the Missouri Public Service Commission.

#### EDUCATIONAL BACKGROUND & WORK EXPERIENCE:

I received my Bachelor of Science Degree in Biological Engineering from the University of Missouri-Columbia in May of 2016. In June of 2016 I began employment with the Missouri Department of Natural Resources in the Air Pollution Control Program as an Environmental Engineer I. In June of 2017, I was promoted to an Environmental Engineer II within the Air Pollution Control Program. I began employment with the commission in November of 2018.

#### **Summary of Case Involvement:**

Case Number	Utility	Туре	Issues
EO-2019-0067	KCP&L GMO	FAC Prudency Review	Heat Rates, Plant Outages, Generation Utilization
EO-2019-0068	KCP&L	FAC Prudency Review	Heat Rates, Plant Outages, Generation Utilization
EO-2019-0049	Liberty-Empire Electric Company	Integrated Resource Plan	Misc.
EO-2019-0132 &	KCP&L	MEEIA	Misc.
EO-2019-0133			
EO-2019-0257	Ameren- Missouri	FAC Prudency Review	Heat Rates, Plant Outages, Generation Utilization
ER-2019-0335	Ameren- Missouri	Rate Case	Heat Rates
ER-2019-0374	Liberty-Empire Electric Company	Rate Case	Heat Rates
EO-2020-0059	Liberty-Empire Electric Company	FAC Prudency Review	Heat Rates, Plant Outages, Generation Utilization

Case Number	Utility	Туре	Issues
EO-2020-0262	EvergyWest	FAC Prudency Review	Heat Rates, Plant Outages, Generation Utilization, Self- Commitment.
EO-2020-0263	Evergy Metro	FAC Prudency Review	Heat Rates, Plant Outages, Generation Utilization, Self- Commitment
EO-2021-0060	Ameren- Missouri	FAC Prudency Review	Heat Rates, Plant Outages, Generation Utilization, Self- Commitment
EO-2021-0021	Ameren- Missouri	Integrated Resource Plan	Misc.
EO-2021-0281	Liberty- Empire	FAC Prudency Review	Heat Rate, Plant Outages, Generation Utilization, Self- Commitment
EO-2021-0035	Evergy- Metro	Integrated Resource Plan	Misc.
EO-2021-0036	Evergy- West	Integrated Resource Plan	Misc.
EO-2021-0060	Ameren- Missouri	FAC Prudency Review	Heat Rate, Plant Outages, Generation Utilization, Self- Commitment
ER-2021-0240	Ameren- Missouri	Rate Case	Heat Rate
ER-2021-0312	Liberty- Empire	Rate Case	Heat Rate
EO-2021-0331	Liberty Empire	Integrated Resource Plan	Misc.
EA-2022-0099	Ameren- Missouri	Transmission	Qualified to construct
EO-2022-0337	Ameren- Missouri	Rate case	Heat Rate
E0-2022-0245	Ameren- Missouri	Transmission	Qualified to construct
EO-2023-0087	Liberty- Empire	FAC Prudency Review	Heat Rate, Plant Outages, Generation Utilization, Self- Commitment